

Figure 1

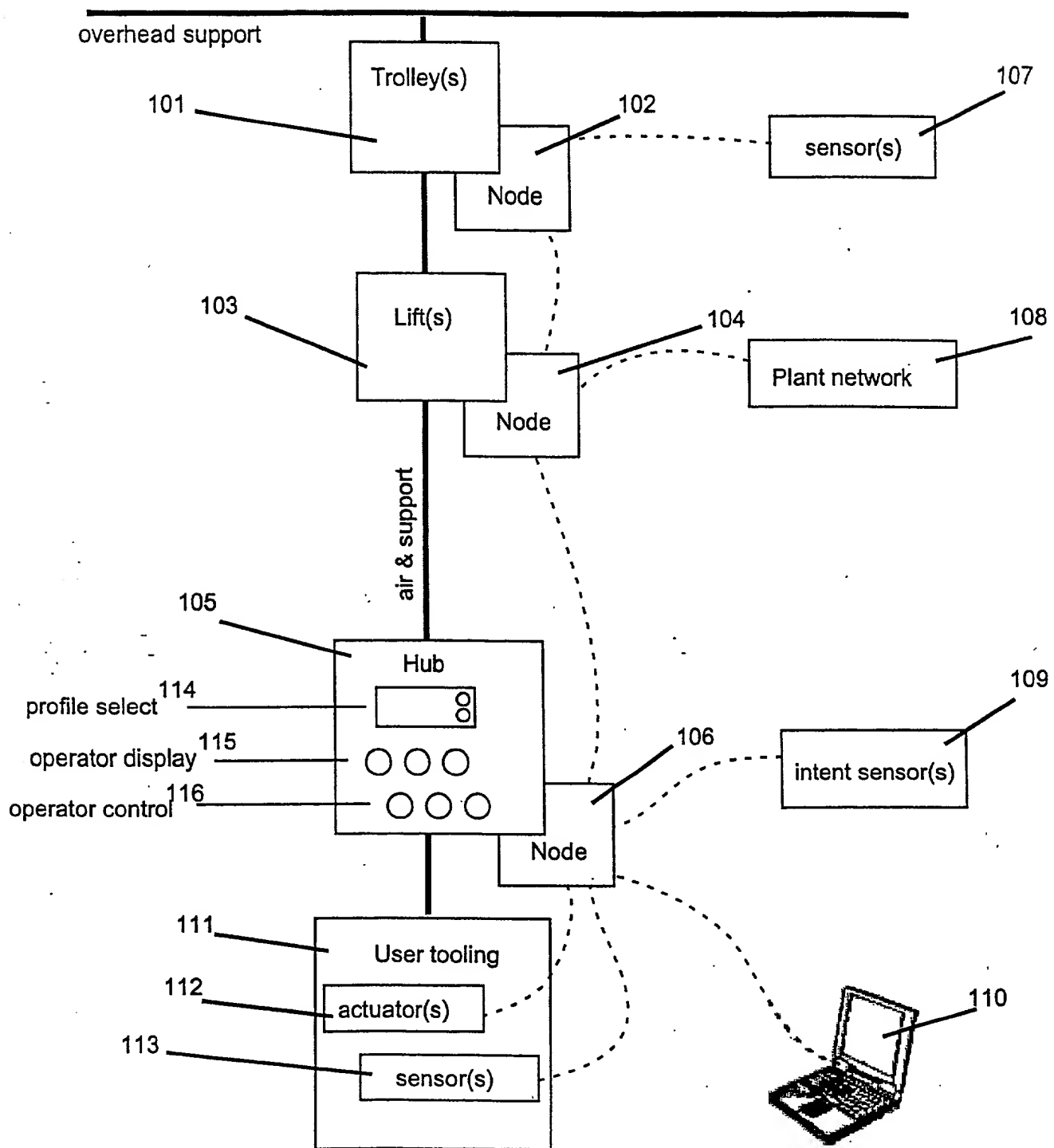


Figure 2

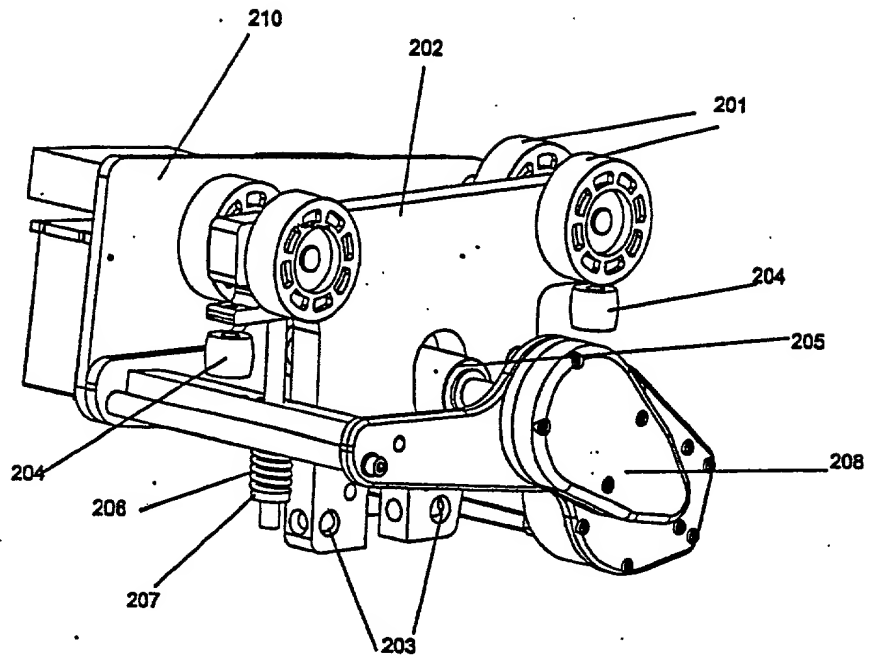


Figure 3

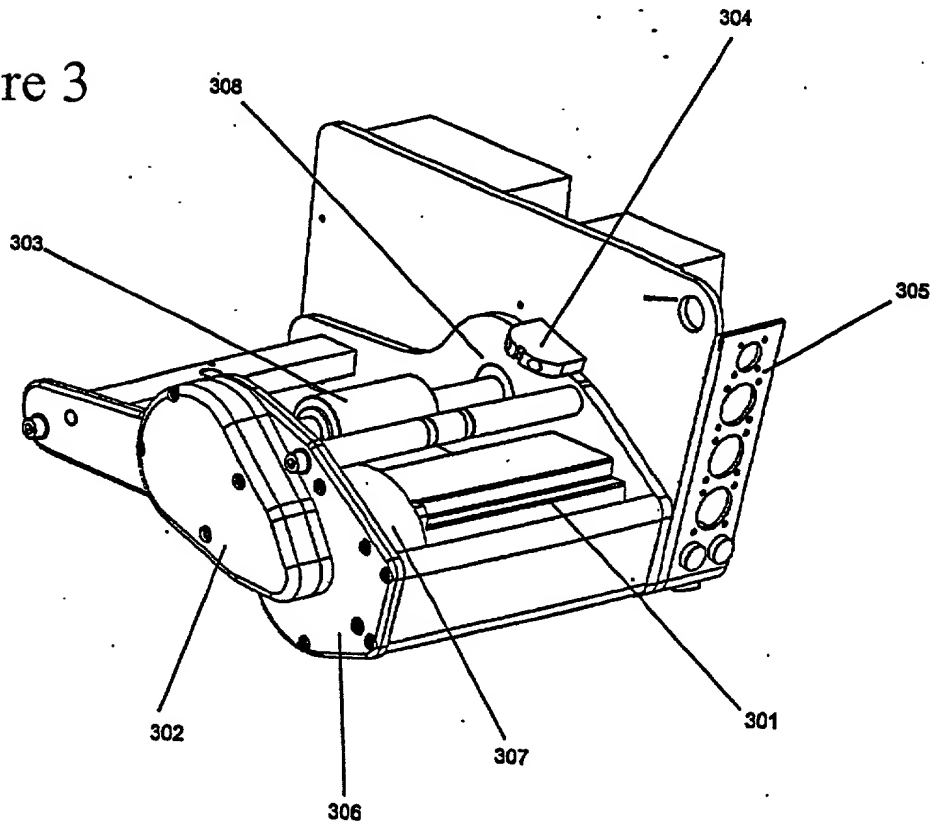


Figure 4

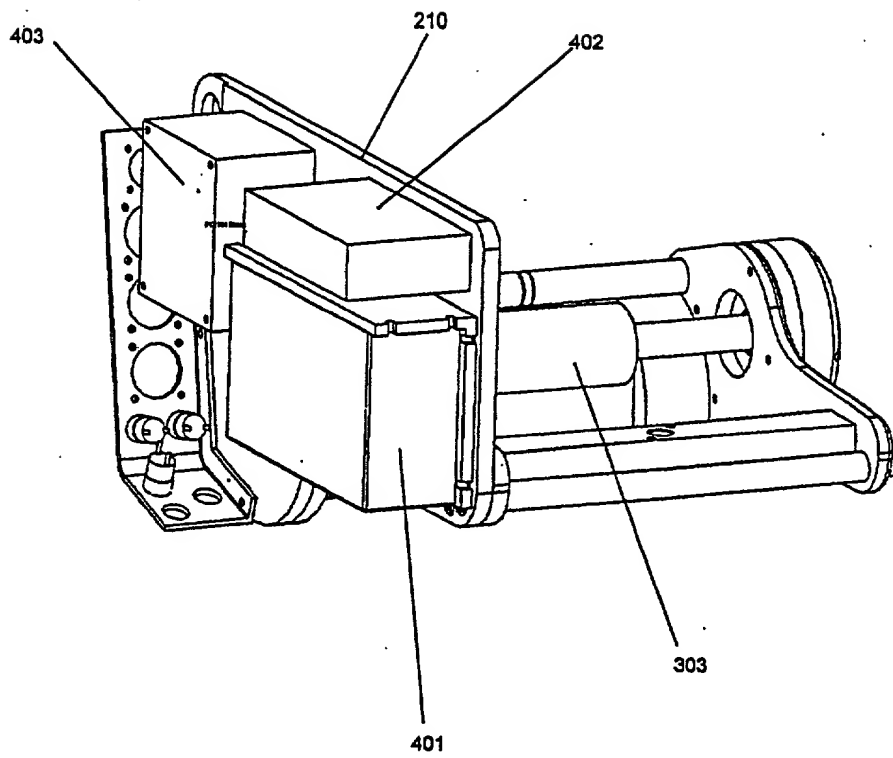


Figure 5

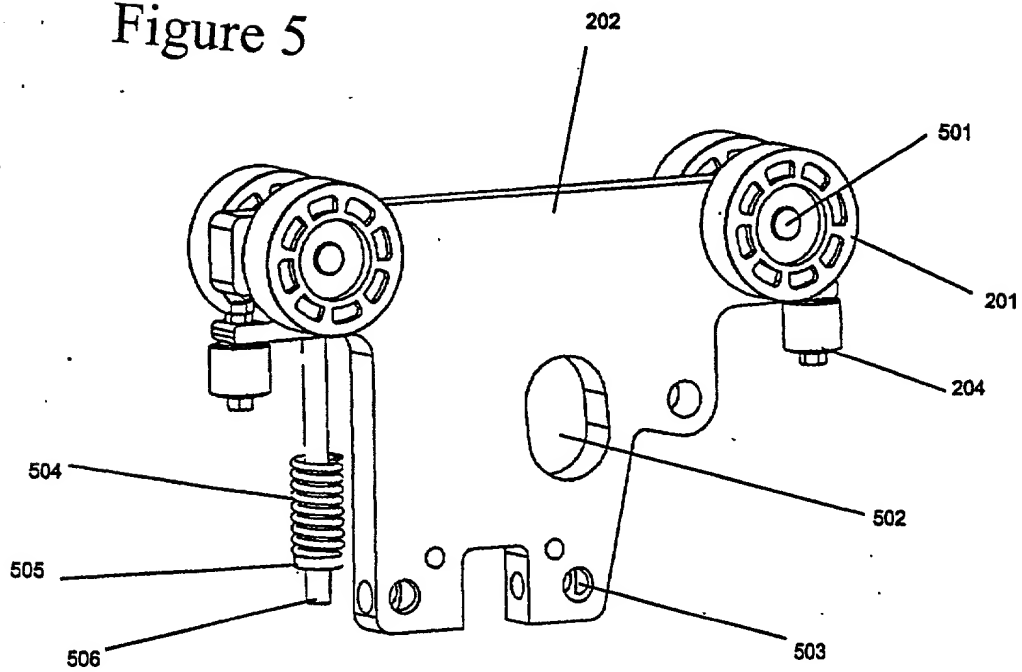


Figure 6

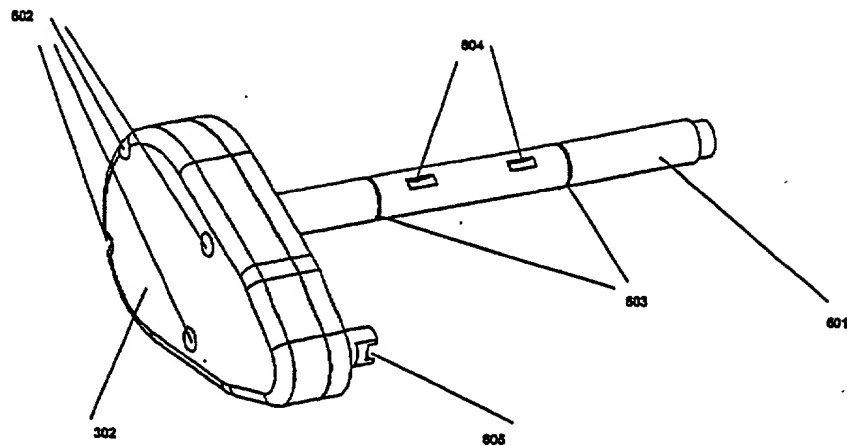


Figure 7

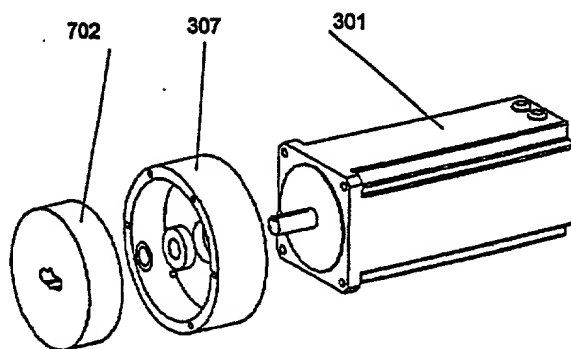


Figure 8

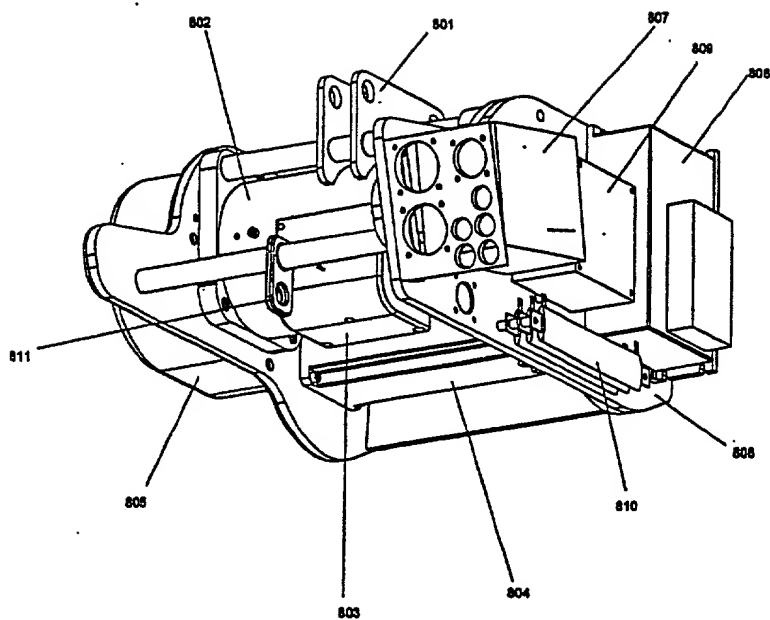


Figure 9

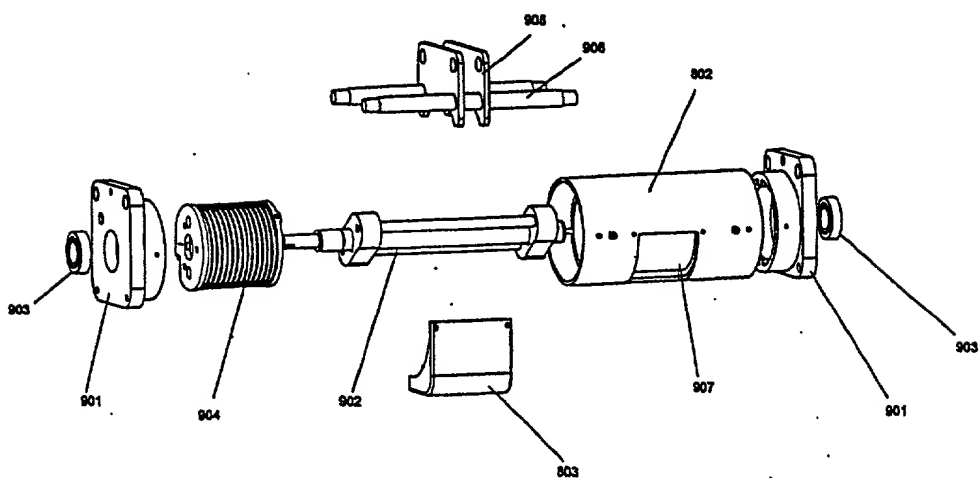


Figure 10

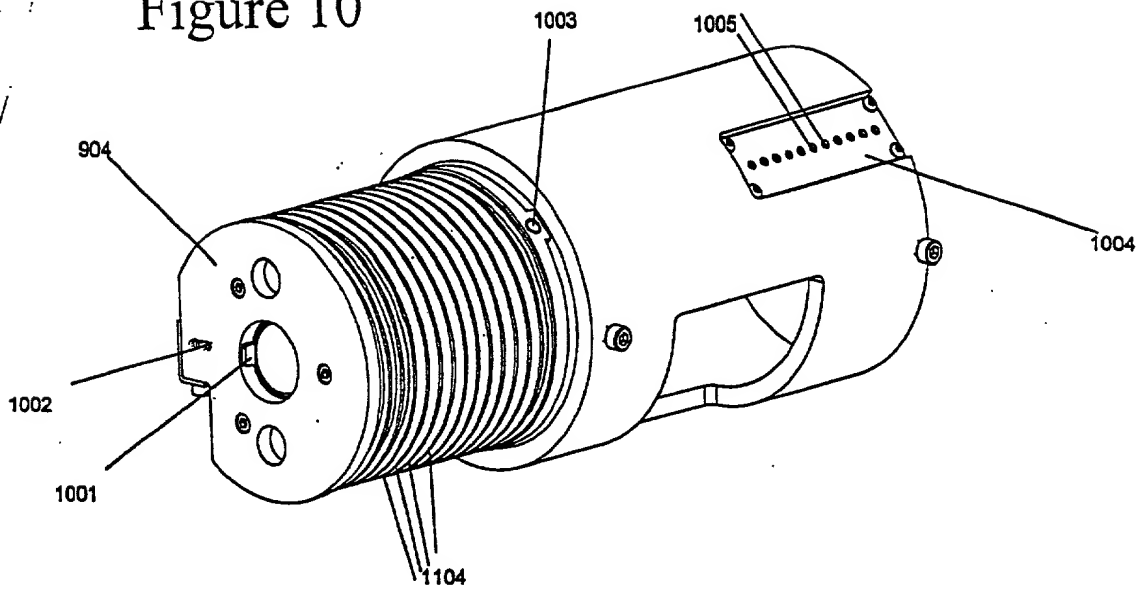


Figure 11

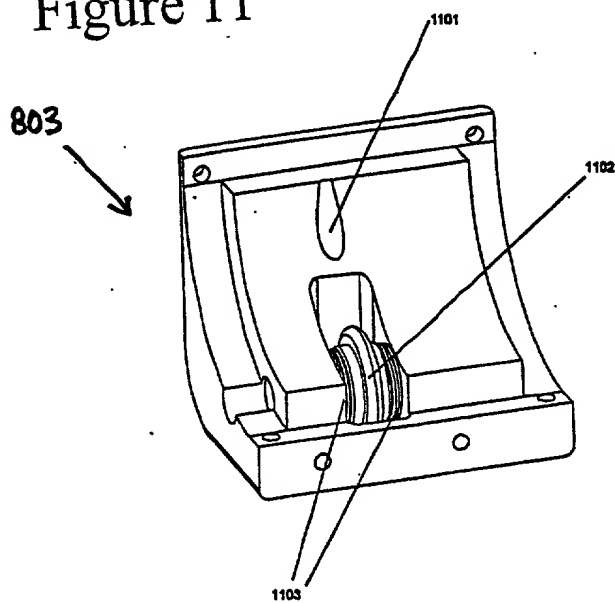


Figure 12

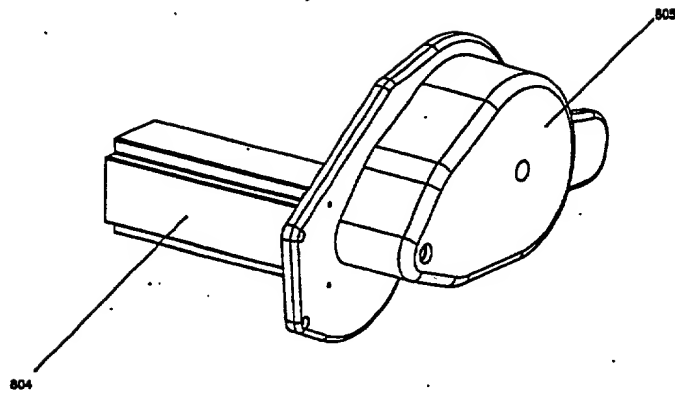


Figure 13

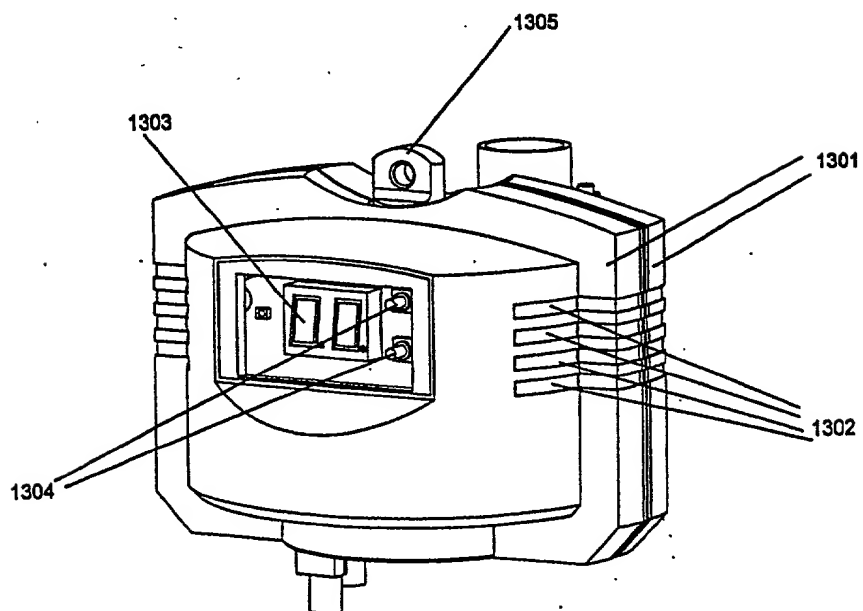


Figure 14

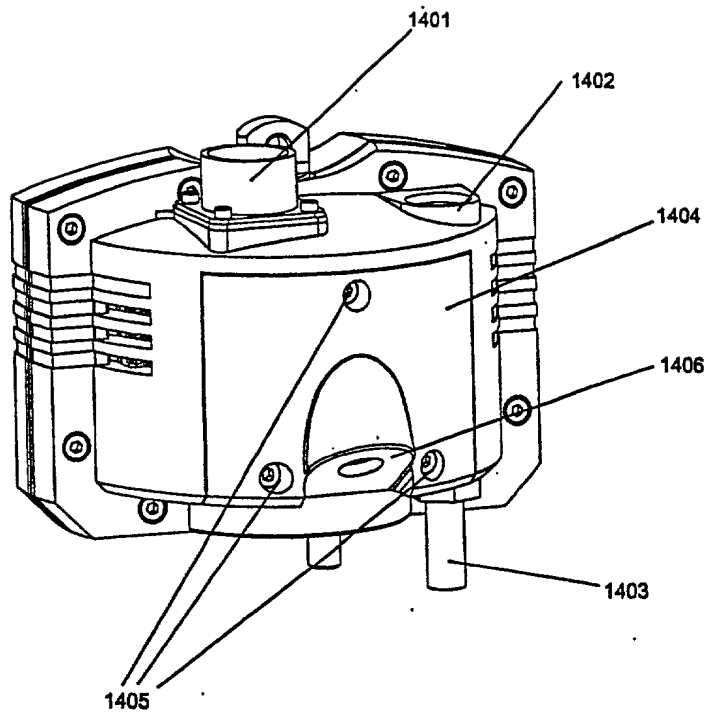


Figure 15

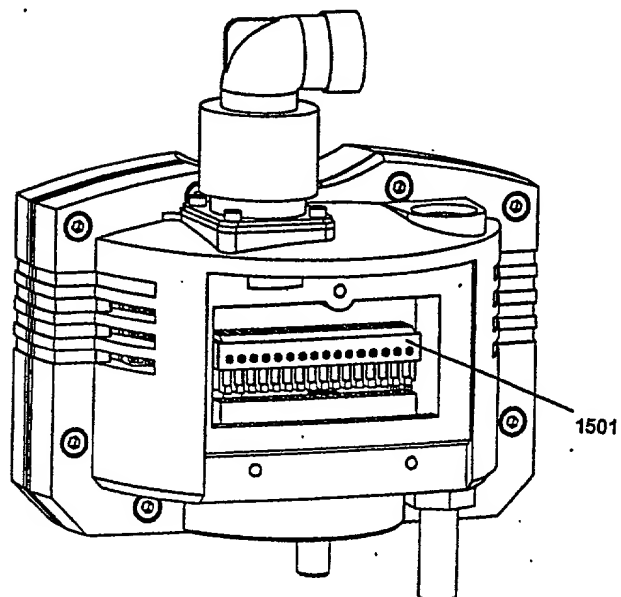


Figure 16

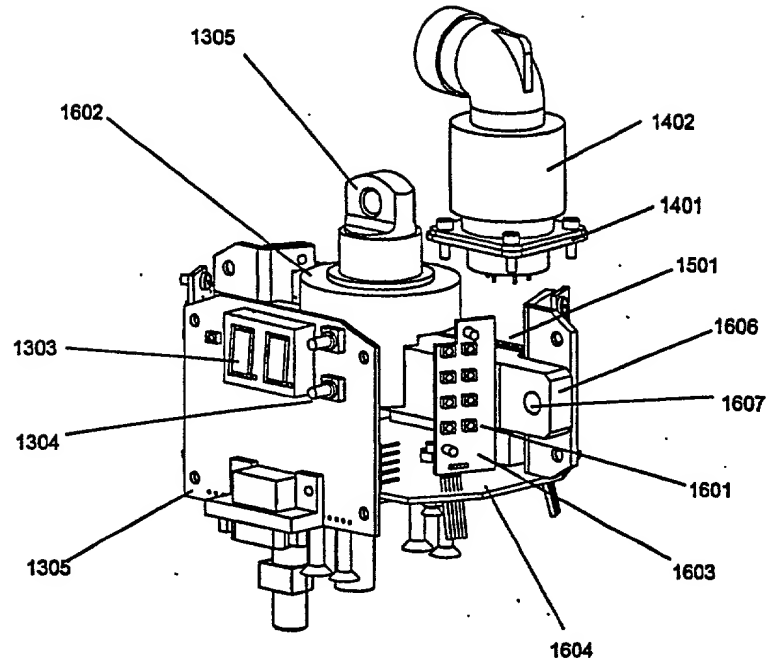


Figure 17

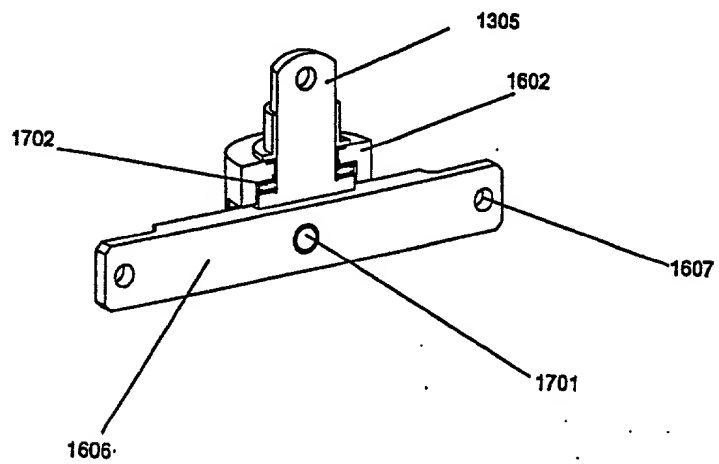


Figure 18

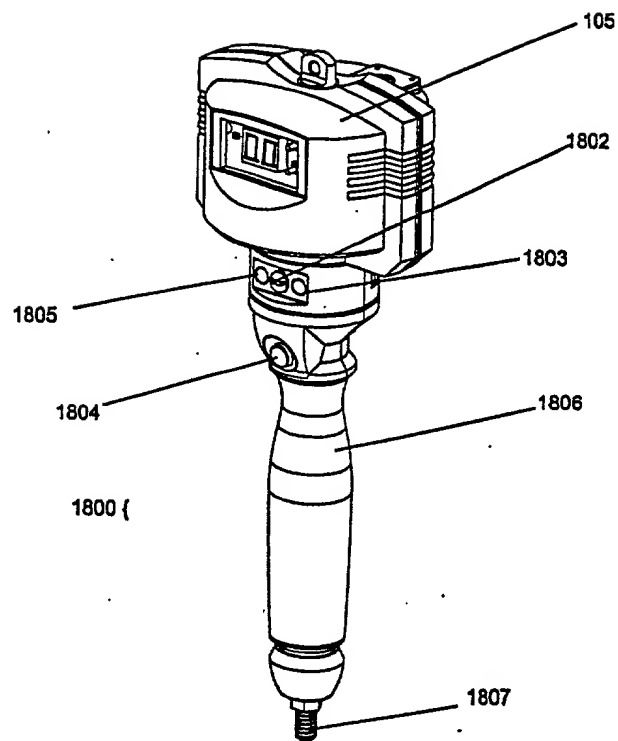


Figure 19

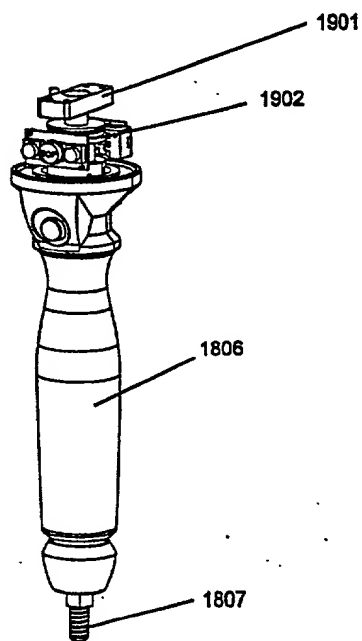


FIGURE 20a

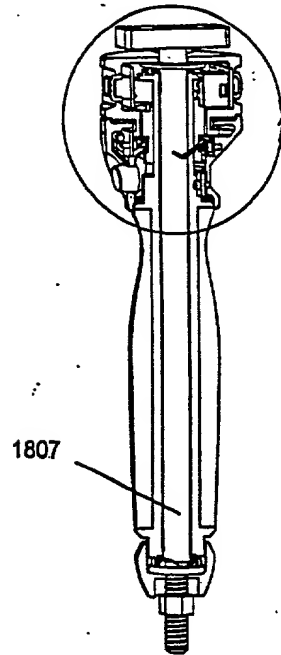


FIGURE 20b

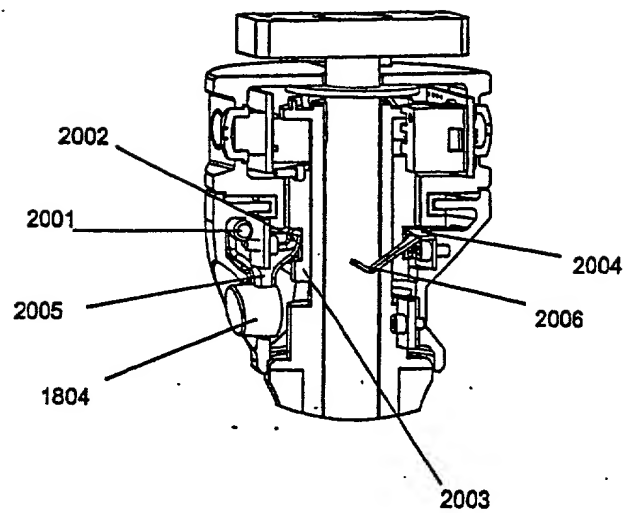


Figure 21

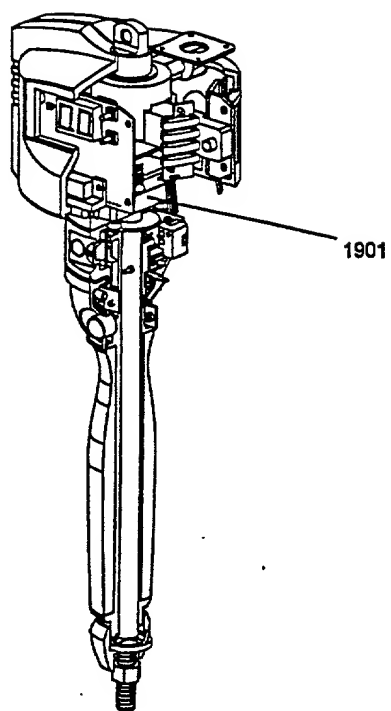


Figure 22

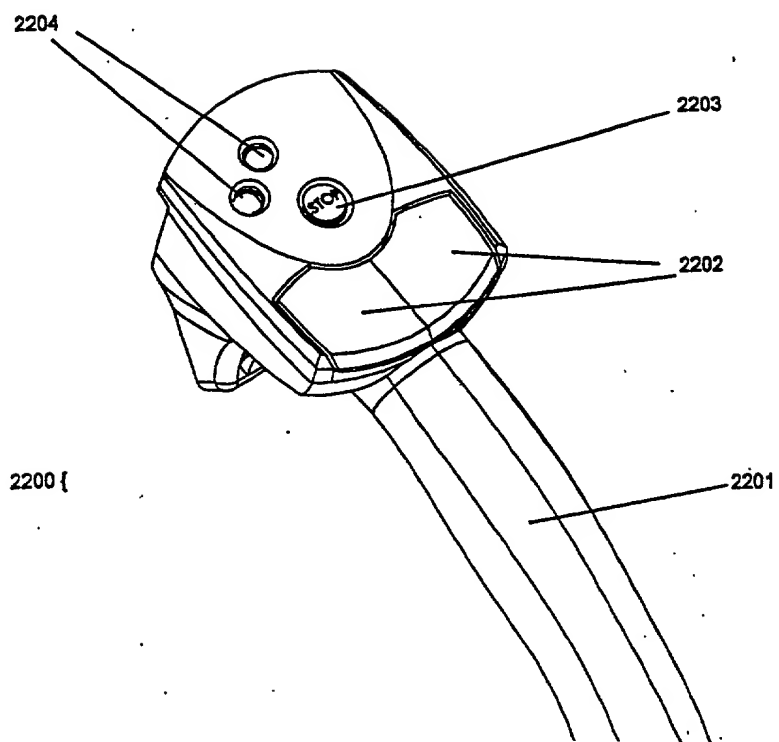


Figure 23

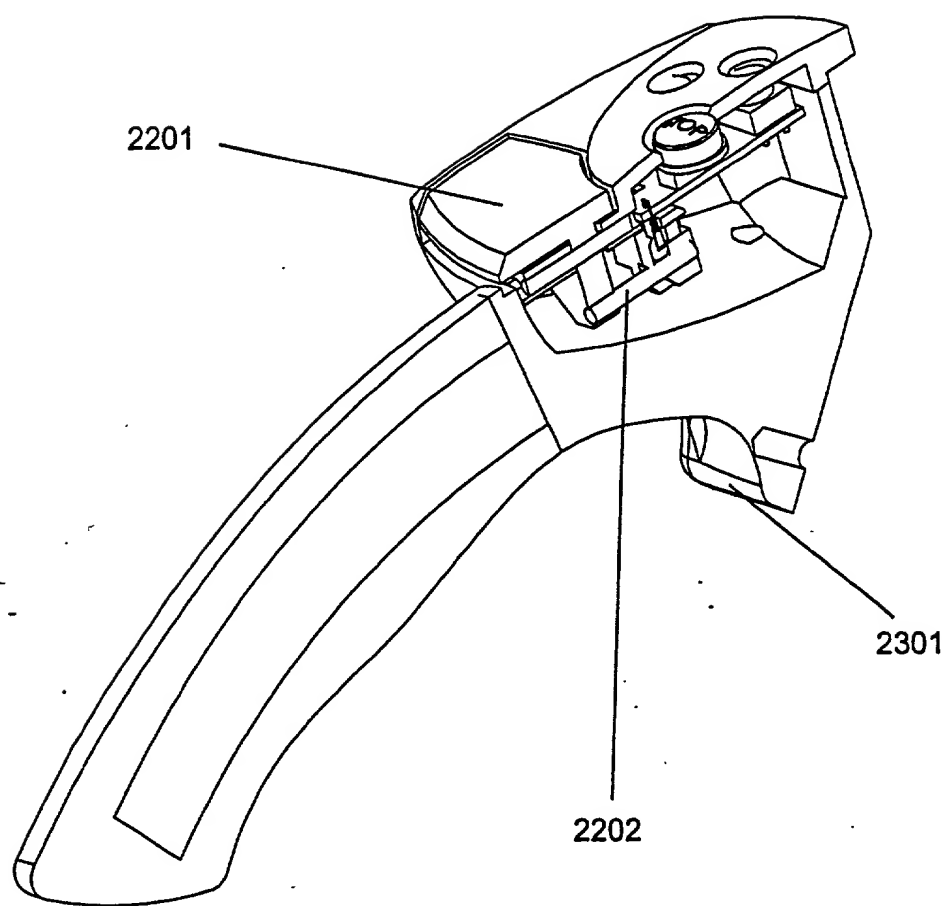


Figure 24

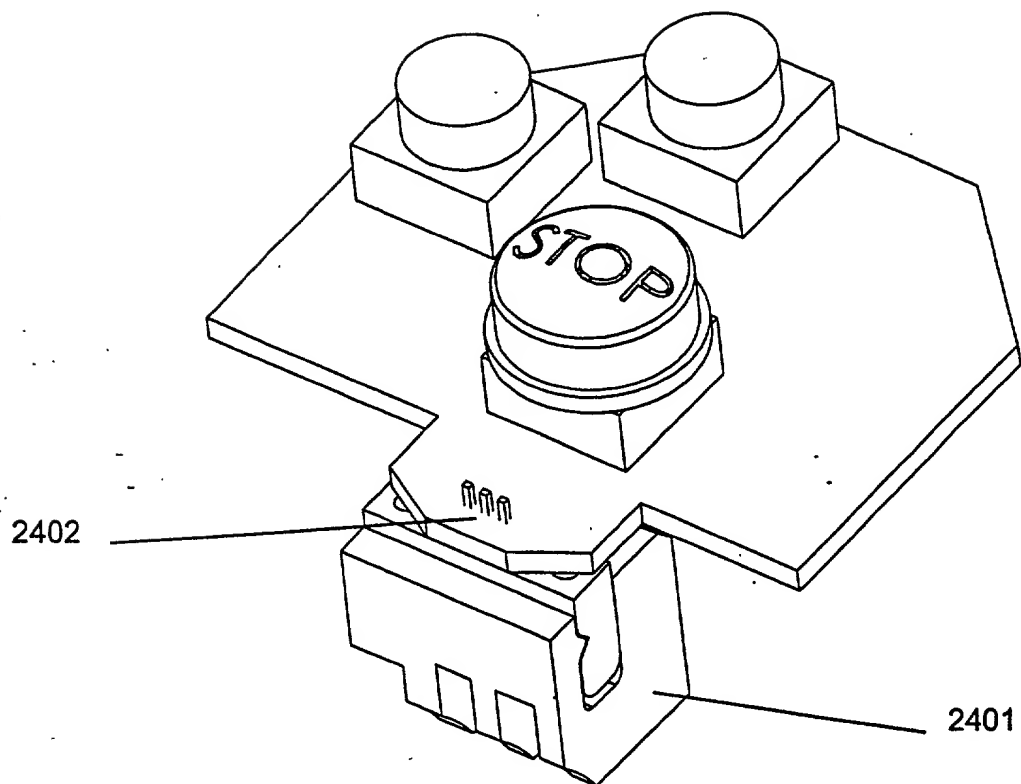


Figure 25

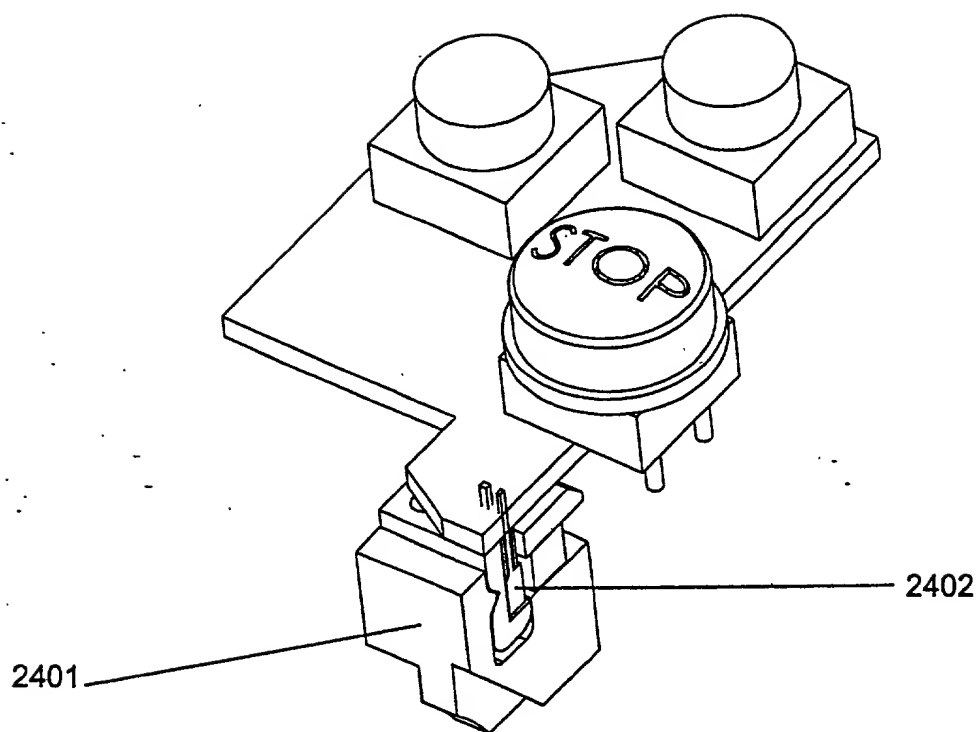


Figure 26

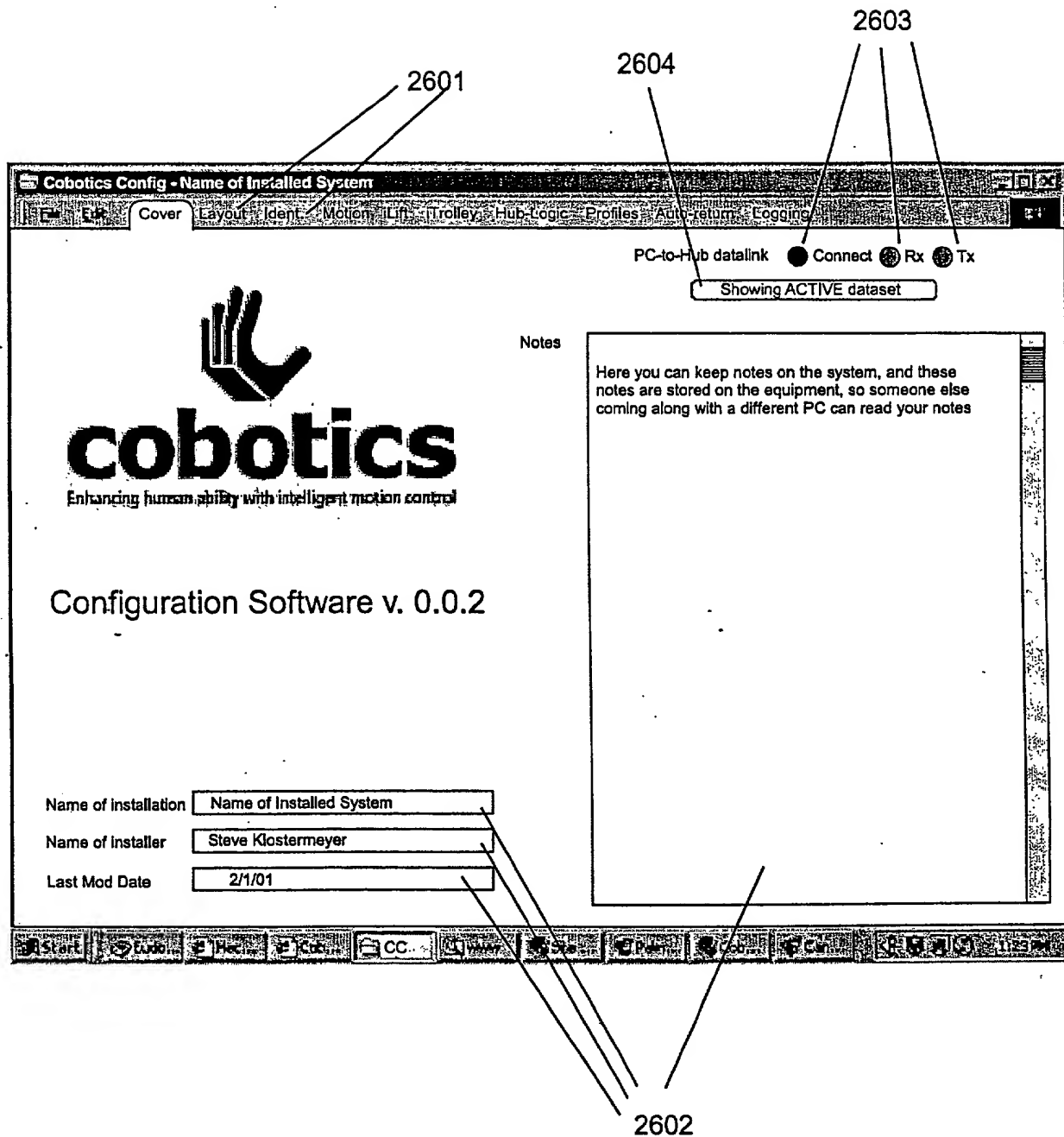


Figure 27

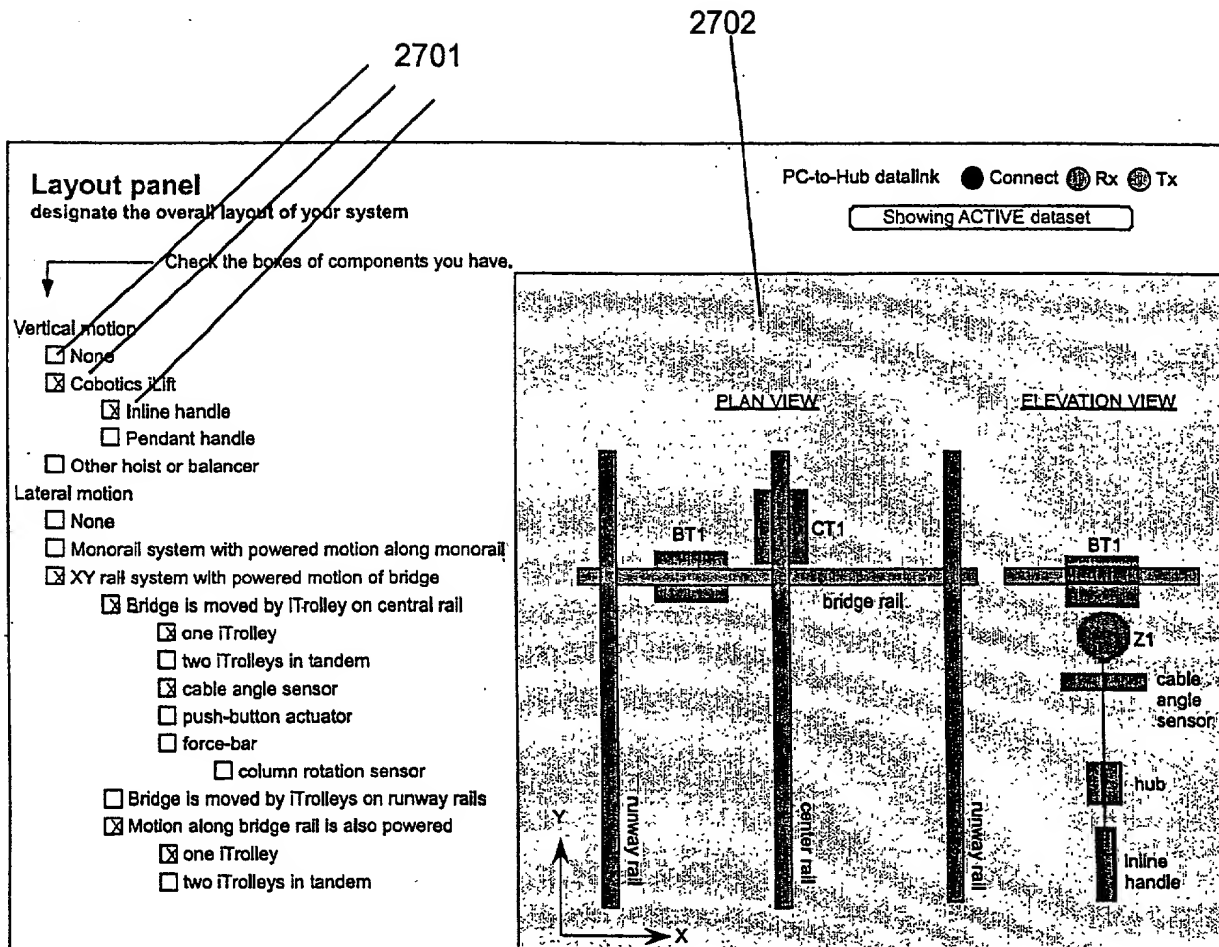


Figure 28

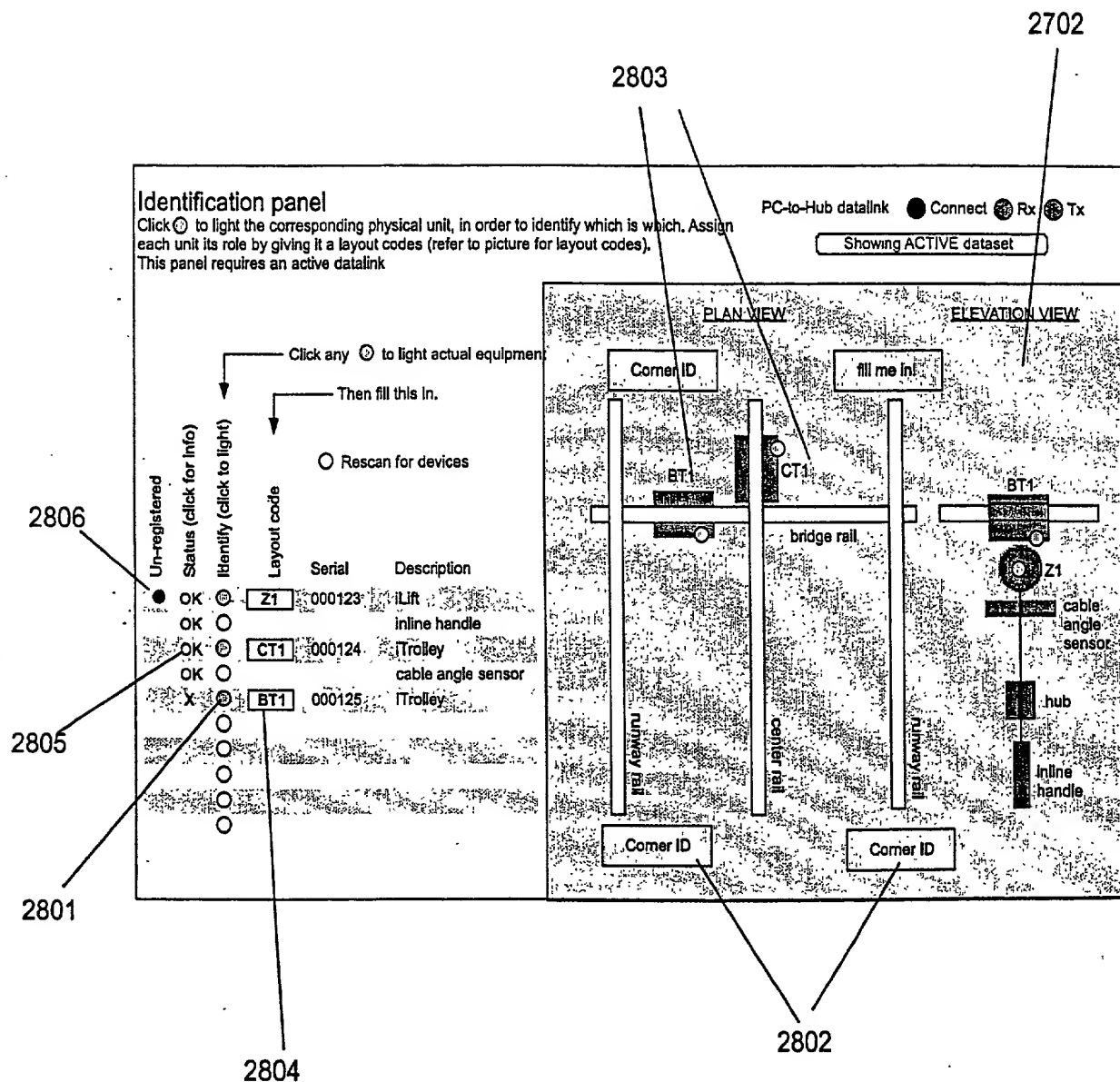


Figure 29

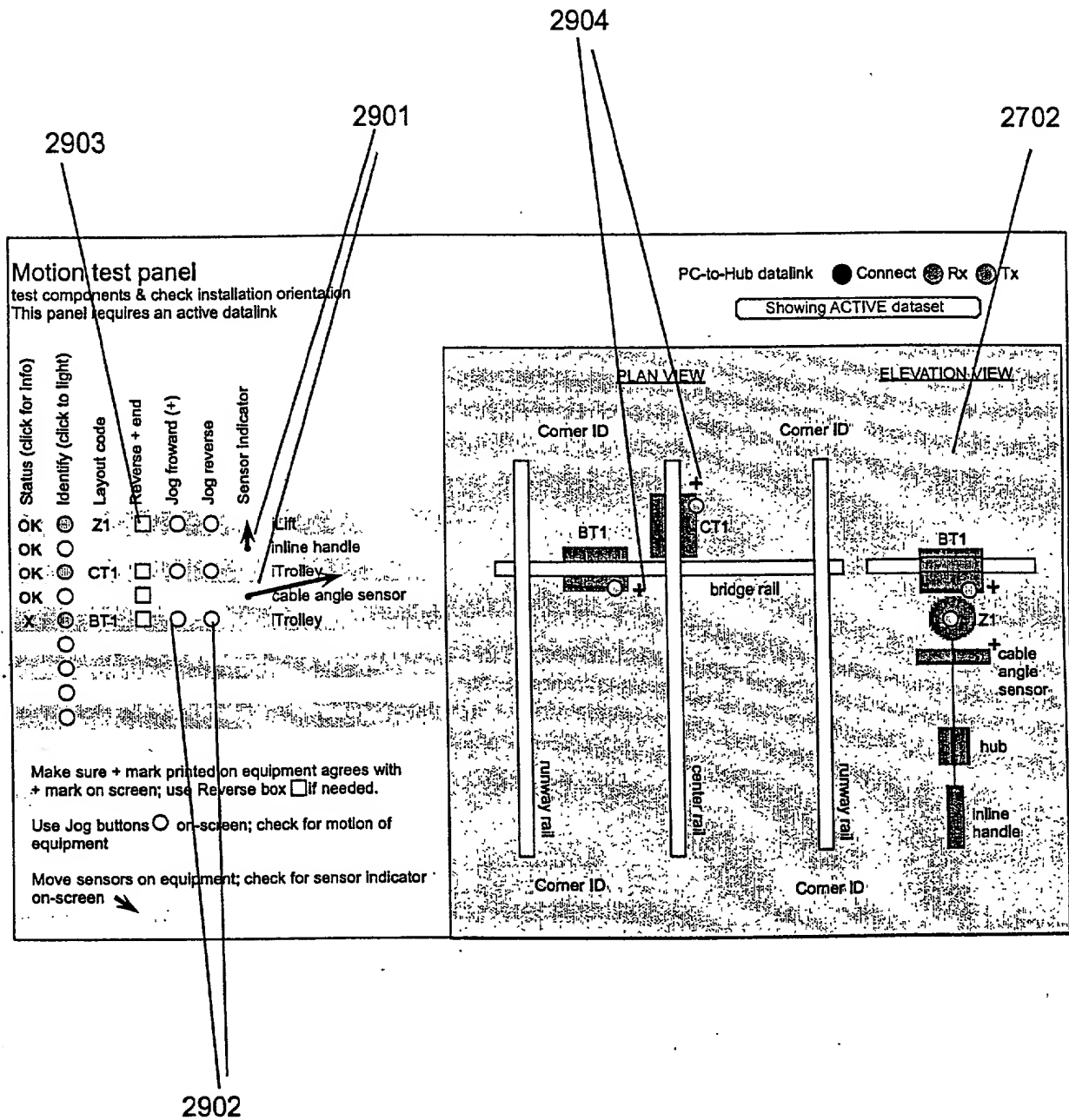


Figure 30

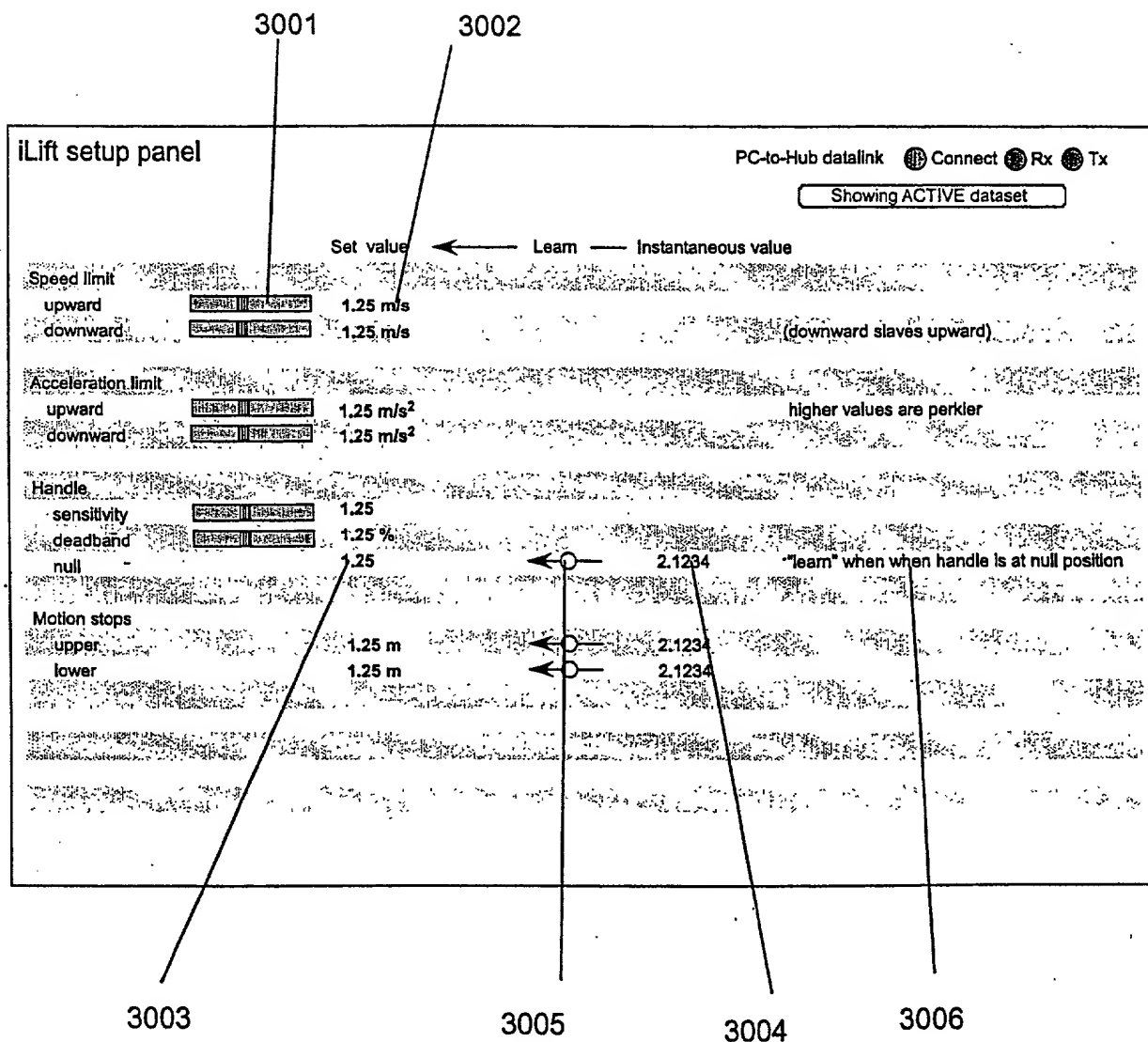


Figure 31

3100 {

Lateral motion setup panel

PC-to-Hub datalink ☐ Connect ☒ Rx ☒ Tx

Showing OFFLINE dataset

Set value ← Learn — Instant value

Speed limit 1.25 m/s

Acceleration limit 1.25 m/s²

Estimate of moving mass on bridge 1.25 kg ☒ Measure it by jogging bridge

Estimate of moving mass on carriage 1.25 kg ☒ Measure it by jogging carriage

Estimate of bridge length 1.25 m ☒ Measure it by skewing bridge

Bridge skew null 1.25 ☒ jog+ ☒ jog- ☐ jog it straight, then "learn"

Cable angle sensor

sensitivity 1.25

deadband 1.25 %

null 1.25, 1.25, 5.00 ☒ 2.1234 leave it vertical; then "learn"

Force bar

sensitivity 1.25

deadband 1.25 %

null 1.25, 1.25, 5.00 ☒ 2.1234 don't touch it; then "learn"

End of travel limit runway (-Y) 1.25 ☒ 2.1234

End of travel limit runway (+Y) 1.25 ☒ 2.1234

End of travel limit bridge (-X) 1.25 ☒ 2.1234

End of travel limit bridge (+X) 1.25 ☒ 2.1234

Figure 32

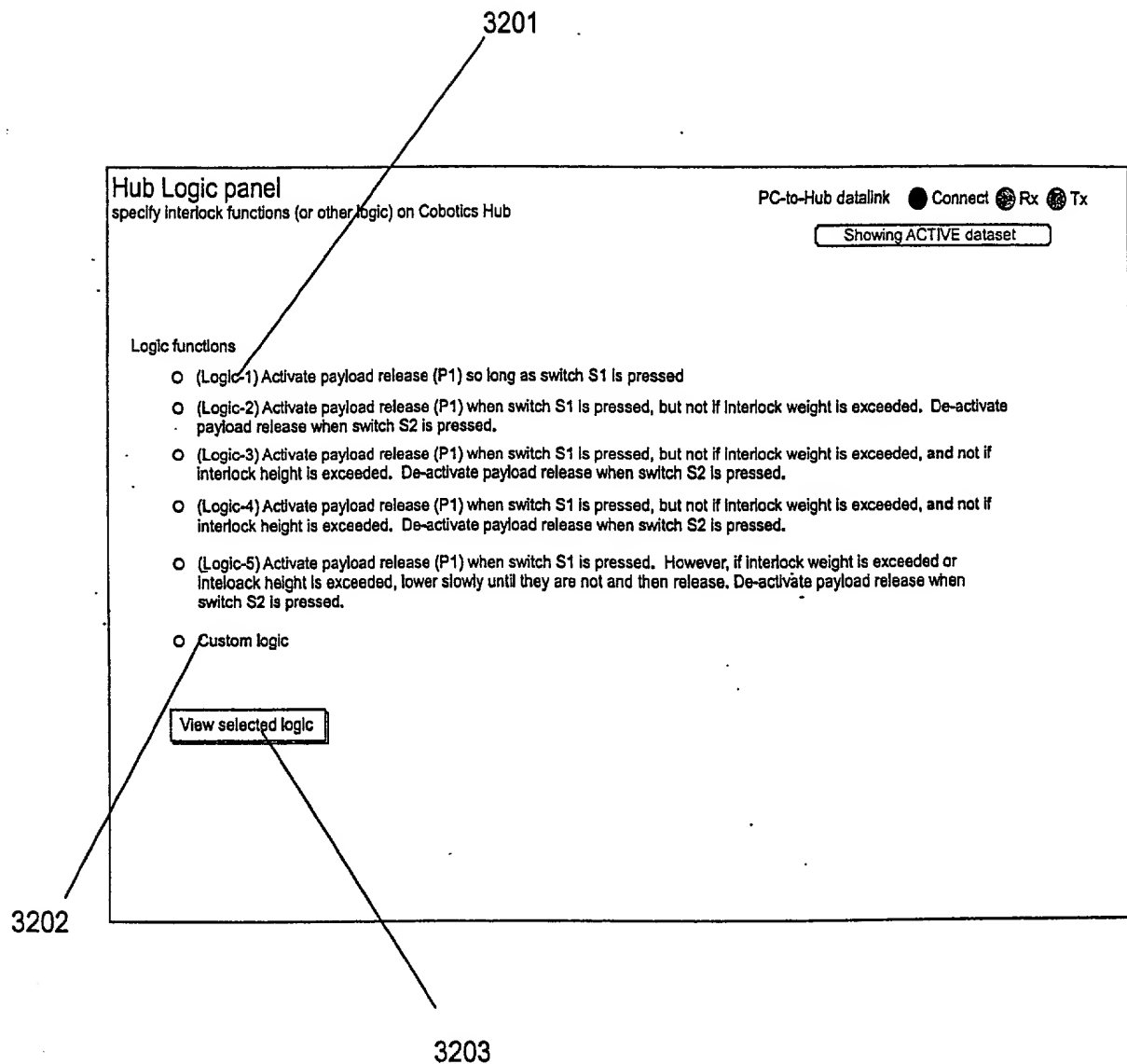


Figure 33

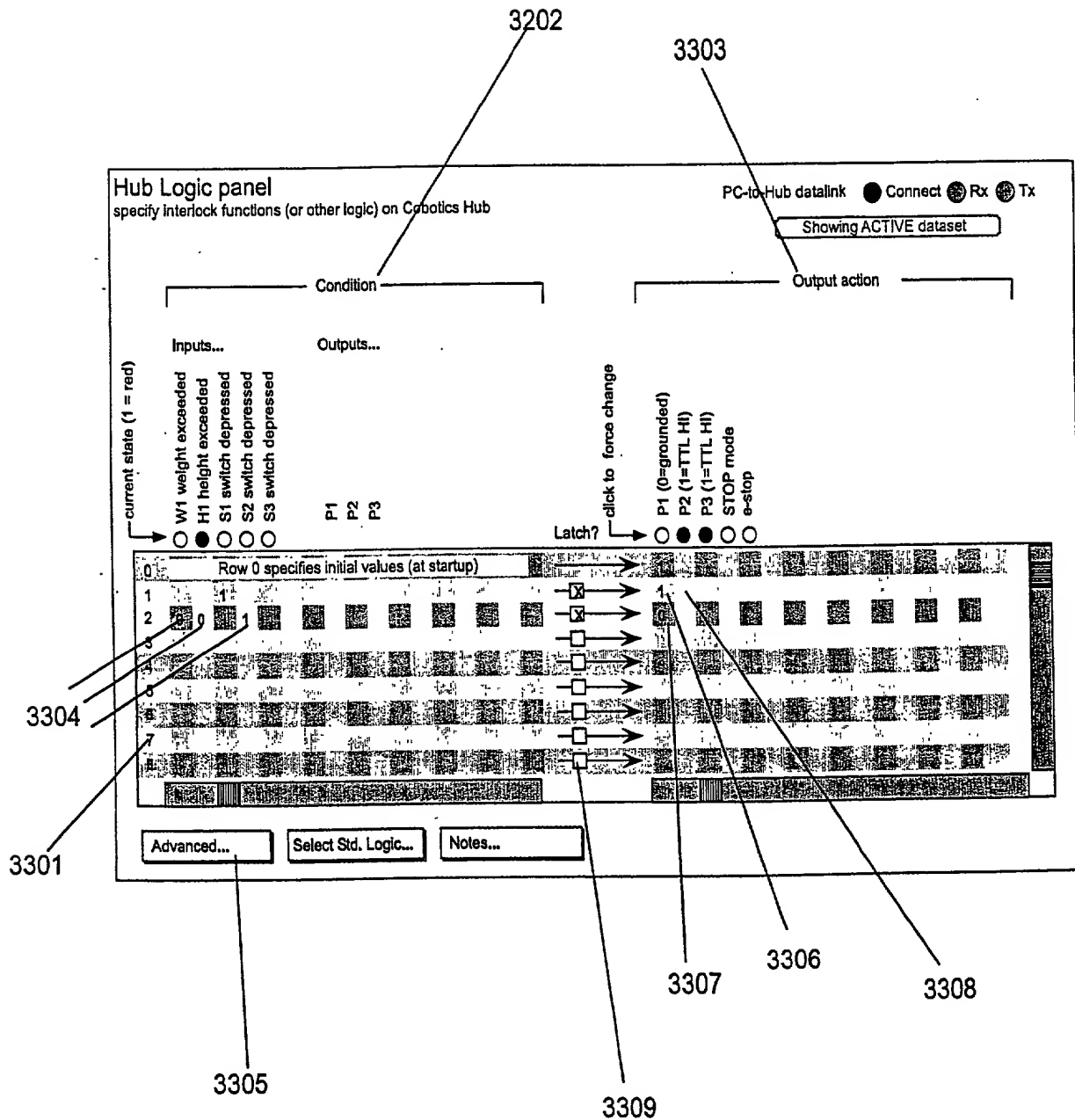


Figure 34

3402 3401

3403

Profiles setup panel
all selections are subject to overall limits, on iLift & iTrolley pages

PC-to-Hub datalink ☒ Connect ☐ Rx ☐ Tx

Showing ACTIVE dataset

Profile ID	MD	HI	SK
Owner name	Default medium profile	Default fast profile	Steve Klostermeyer
iLift speed limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
acceleration limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
sensitivity	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
deadband	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
iTrolley speed limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
acceleration limit	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
sensitivity	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>
deadband	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>	min <input type="text"/> max <input type="text"/>

Use default values ☐ LO ☐ MD ☐ HI Use default values ☐ LO ☐ MD ☐ HI Use default values ☐ LO ☐ MD ☐ HI

☐ Remove profile ☐ Add new profile ☐ Remove profile ☐ Add new profile ☐ Remove profile ☐ Add new profile

Instructions: Operators can select their individualized profile at the Hub. Move sliders to adjust feel. Slider values are relative to limits set on the iLift and iTrolley setup pages. You can set a profile to the LO, MD, or HI defaults by clicking a button.

3404

Figure 35

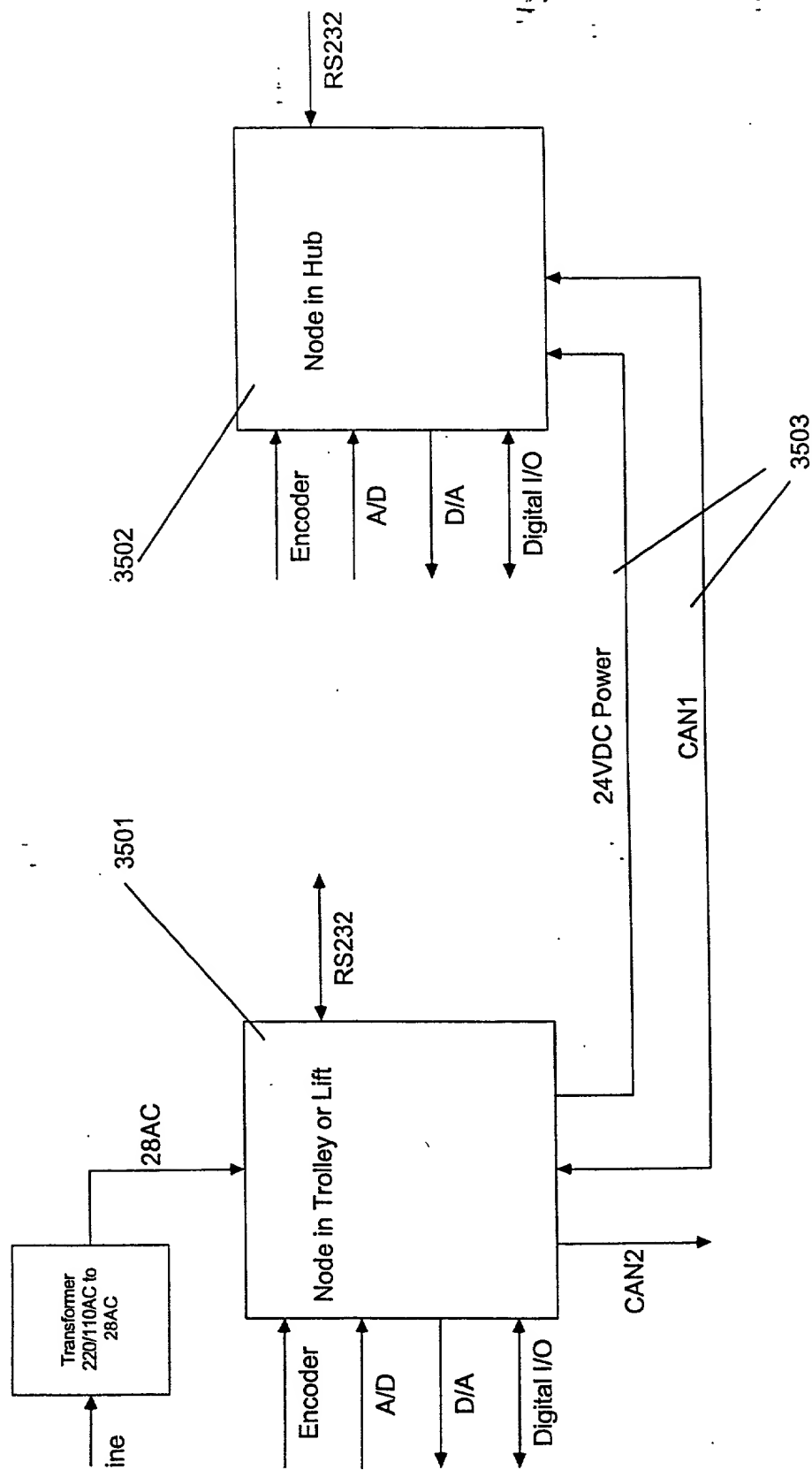
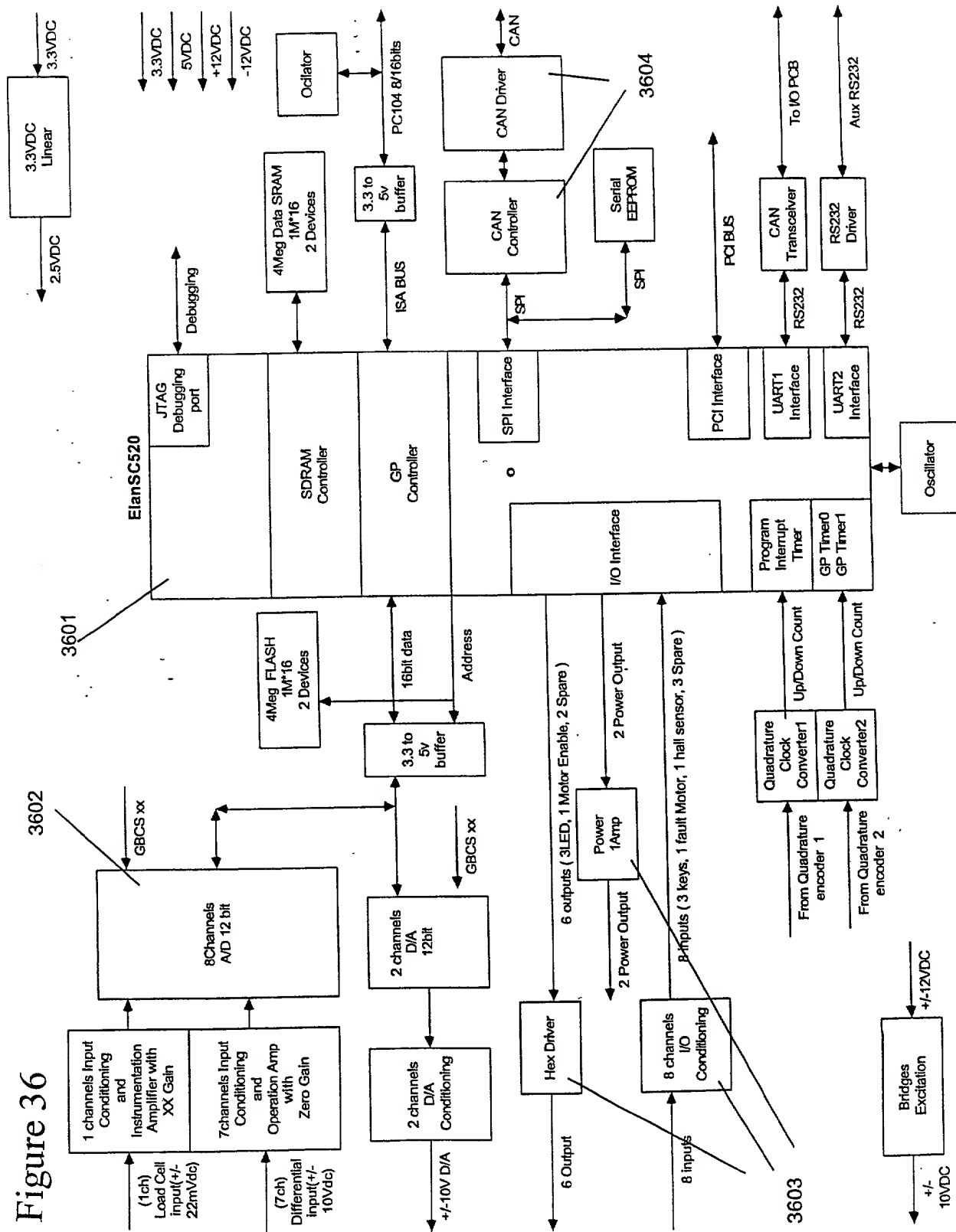


Figure 36



Parameter	Value	Unit	Source
Age	1.0	yr	1
Weight	70.0	kg	2
Height	1.75	m	3
Sex	Male		4
Activity level	1.0		5
Energy expenditure	2000	kcal/day	6
Basal metabolic rate	1500	kcal/day	7
Thermic effect of food	100	kcal/day	8
Physical activity	400	kcal/day	9
Total energy expenditure	2000	kcal/day	10
Energy balance	0	kcal/day	11
Weight change	0.0	kg/day	12
Body fat percentage	15.0	%	13
Lean body mass	59.5	kg	14
Body water percentage	60.0	%	15
Excretion rate	1.0	l/day	16
Intake rate	1.0	l/day	17
Net water balance	0.0	l/day	18
Urine output	1.0	l/day	19
Sweat output	0.5	l/day	20
Respiratory water loss	0.5	l/day	21
Total water loss	2.0	l/day	22
Water balance	0.0	l/day	23
Electrolyte balance	0.0	mmol/day	24
Sodium balance	0.0	mmol/day	25
Potassium balance	0.0	mmol/day	26
Calcium balance	0.0	mmol/day	27
Magnesium balance	0.0	mmol/day	28
Phosphorus balance	0.0	mmol/day	29
Iron balance	0.0	mg/day	30
Zinc balance	0.0	mg/day	31
Copper balance	0.0	mg/day	32
Selenium balance	0.0	mg/day	33
Vitamin A balance	0.0	µg/day	34
Vitamin B1 balance	0.0	mg/day	35
Vitamin B2 balance	0.0	mg/day	36
Vitamin B3 balance	0.0	mg/day	37
Vitamin B5 balance	0.0	mg/day	38
Vitamin B6 balance	0.0	mg/day	39
Vitamin B7 balance	0.0	mg/day	40
Vitamin B9 balance	0.0	mg/day	41
Vitamin B12 balance	0.0	mg/day	42
Vitamin C balance	0.0	mg/day	43
Vitamin D balance	0.0	µg/day	44
Vitamin E balance	0.0	mg/day	45
Vitamin K balance	0.0	µg/day	46
Mineral balance	0.0	mg/day	47
Protein balance	0.0	g/day	48
Carbohydrate balance	0.0	g/day	49
Lipid balance	0.0	g/day	50
Energy balance	0.0	kcal/day	51
Weight change	0.0	kg/day	52
Body fat percentage	15.0	%	53
Lean body mass	59.5	kg	54
Body water percentage	60.0	%	55
Excretion rate	1.0	l/day	56
Intake rate	1.0	l/day	57
Net water balance	0.0	l/day	58
Urine output	1.0	l/day	59
Sweat output	0.5	l/day	60
Respiratory water loss	0.5	l/day	61
Total water loss	2.0	l/day	62
Water balance	0.0	l/day	63
Electrolyte balance	0.0	mmol/day	64
Sodium balance	0.0	mmol/day	65
Potassium balance	0.0	mmol/day	66
Calcium balance	0.0	mmol/day	67
Magnesium balance	0.0	mmol/day	68
Phosphorus balance	0.0	mmol/day	69
Iron balance	0.0	mg/day	70
Zinc balance	0.0	mg/day	71
Copper balance	0.0	mg/day	72
Selenium balance	0.0	mg/day	73
Vitamin A balance	0.0	µg/day	74
Vitamin B1 balance	0.0	mg/day	75
Vitamin B2 balance	0.0	mg/day	76
Vitamin B3 balance	0.0	mg/day	77
Vitamin B5 balance	0.0	mg/day	78
Vitamin B6 balance	0.0	mg/day	79
Vitamin B7 balance	0.0	mg/day	80
Vitamin B9 balance	0.0	mg/day	81
Vitamin B12 balance	0.0	mg/day	82
Vitamin C balance	0.0	mg/day	83
Vitamin D balance	0.0	µg/day	84
Vitamin E balance	0.0	mg/day	85
Vitamin K balance	0.0	µg/day	86
Mineral balance	0.0	mg/day	87
Protein balance	0.0	g/day	88
Carbohydrate balance	0.0	g/day	89
Lipid balance	0.0	g/day	90
Energy balance	0.0	kcal/day	91
Weight change	0.0	kg/day	92
Body fat percentage	15.0	%	93
Lean body mass	59.5	kg	94
Body water percentage	60.0	%	95
Excretion rate	1.0	l/day	96
Intake rate	1.0	l/day	97
Net water balance	0.0	l/day	98
Urine output	1.0	l/day	

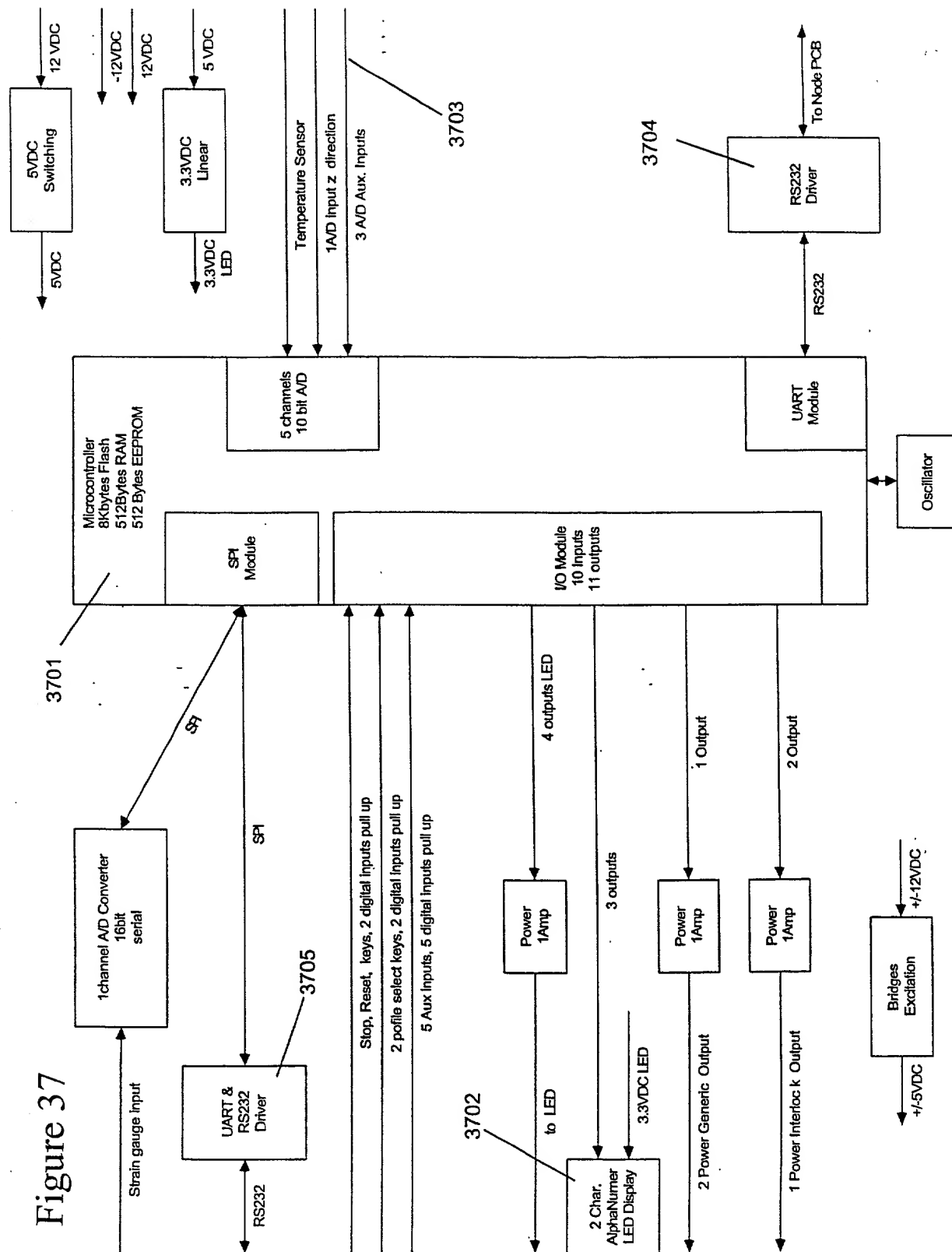


Figure 38

Field	Size (bytes)	Data Format	Description
SIZE	1	binary	Packet size.
DEVICE_ID	1	binary	Destination device ID.
CMD_TYPE	1	binary	Command type.
DATA	Variable	binary	Actual data associated with the CMD_TYPE field.
CHKSUM	1	binary	Checksum of the packet. This byte equals to the two's complement of the sum of the SIZE, DEVICE_ID, TYPE and DATA, omitting any carry.